

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 8.0.2
Date: 02/12/2021 09:42 AM
Cytometer Baseline: 12/15/2020 11:39 AM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910859
Lot ID: 91417 **Expiration Date:** 03/31/2021
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124747	-1	1.61	124807	1.59
Blue	F	SSC	125000	123591	-2	2.72	124599	2.64
Blue	E	FITC	14203	13662	-4	2.41	296	15.53
Blue	D	PE	25703	25133	-3	1.96	544	10.75
Blue	B	PerCP-Cy5-5	42104	40720	-4	2.99	904	15.03
Blue	A	PE-Cy7	34646	34133	-2	4.34	488	30.42
Red	C	APC	49824	49202	-2	2.77	1513	11.36
Red	A	APC-Cy7	39773	39095	-2	2.84	729	12.03
Violet	B	V450	7447	7101	-5	3.68	392	12.55
Violet	A	V500	31193	29875	-5	3.44	677	10.13

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	22036	2.06	552	-4	N/A	N/A	Pass
Blue	F	SSC	53917	2.19	515	3	N/A	N/A	Pass
Blue	E	FITC	55	53.22	486	0	0.0379	76	Pass
Blue	D	PE	107	39.02	488	3	0.3487	251	Pass
Blue	B	PerCP-Cy5-5	172	36.46	580	3	0.0179	22	Pass
Blue	A	PE-Cy7	111	63.81	625	5	0.0198	0	Pass
Red	C	APC	350	23.52	567	0	0.0274	51	Pass
Red	A	APC-Cy7	202	24.71	545	1	0.0058	443	Pass
Violet	B	V450	88	38.75	450	1	0.0434	1107	Pass
Violet	A	V500	119	27.41	468	1	0.0232	287	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.64	-31.29	1.01
Blue	20.36	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.41
Red	20.34	15.99 - 23.99	N/A	N/A	29.63	29.95	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 9758

Fluidics

FACSFlow Pressure: 3.90
Spec.: 3.80 - 4.00
Sample Pressure: 3.60

Comments